



Advertising External Data Providers

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18 April 1996



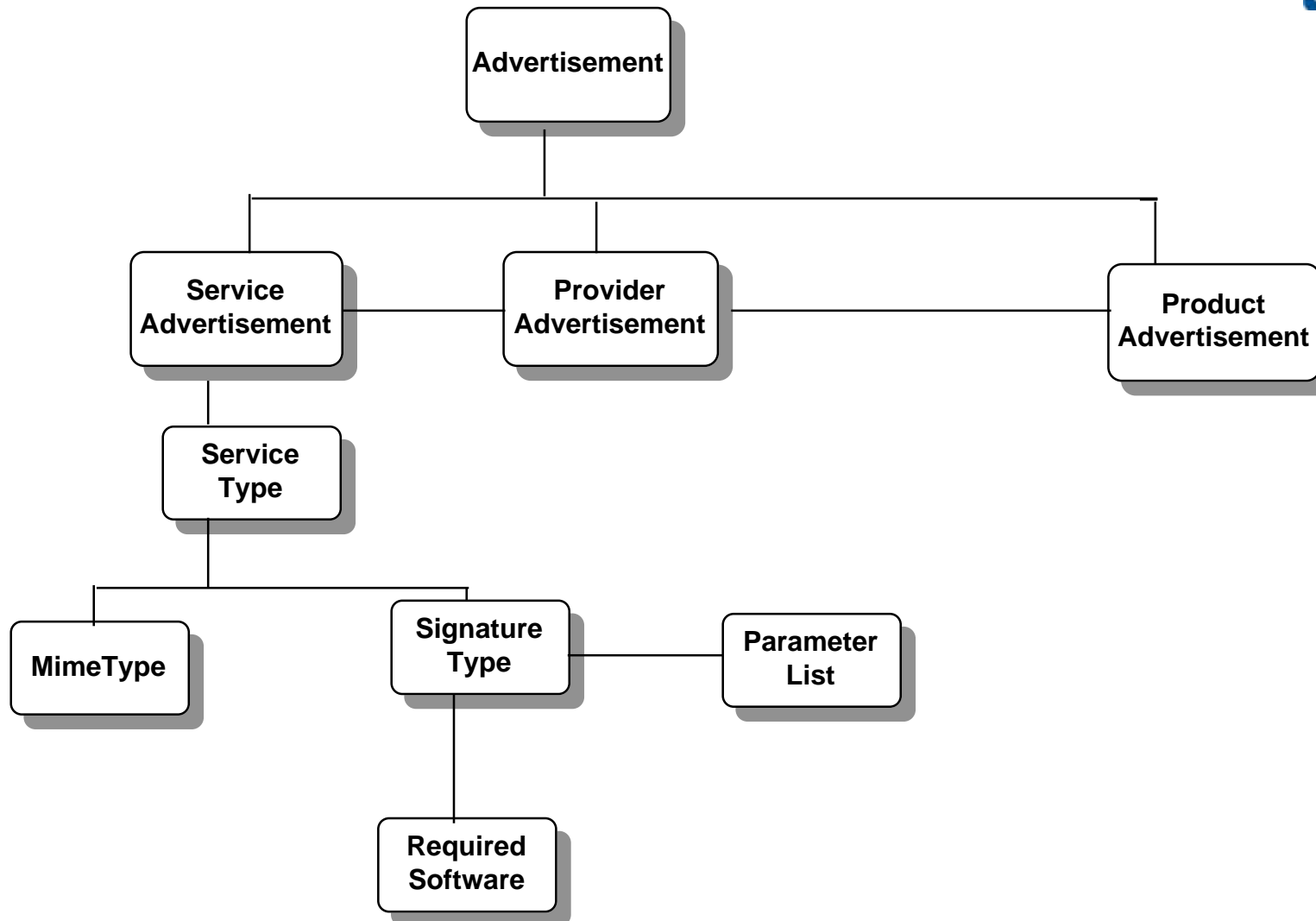
Overview Concepts

Options

- **Internet Service**
 - Give us a URL to their Web site.
- **Service with Data Provider supplied client**
 - Advertiser invokes or installs a client built by Data Provider which can access an ECS service or one at the provider site.
- **LDAS service which can be used with ECS client**
 - Allows for non-conformity to ECS schema, but ECS client can direct requests to the server.



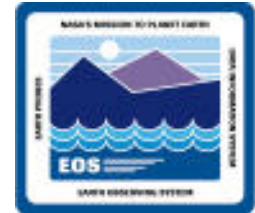
Service Advertisement Model



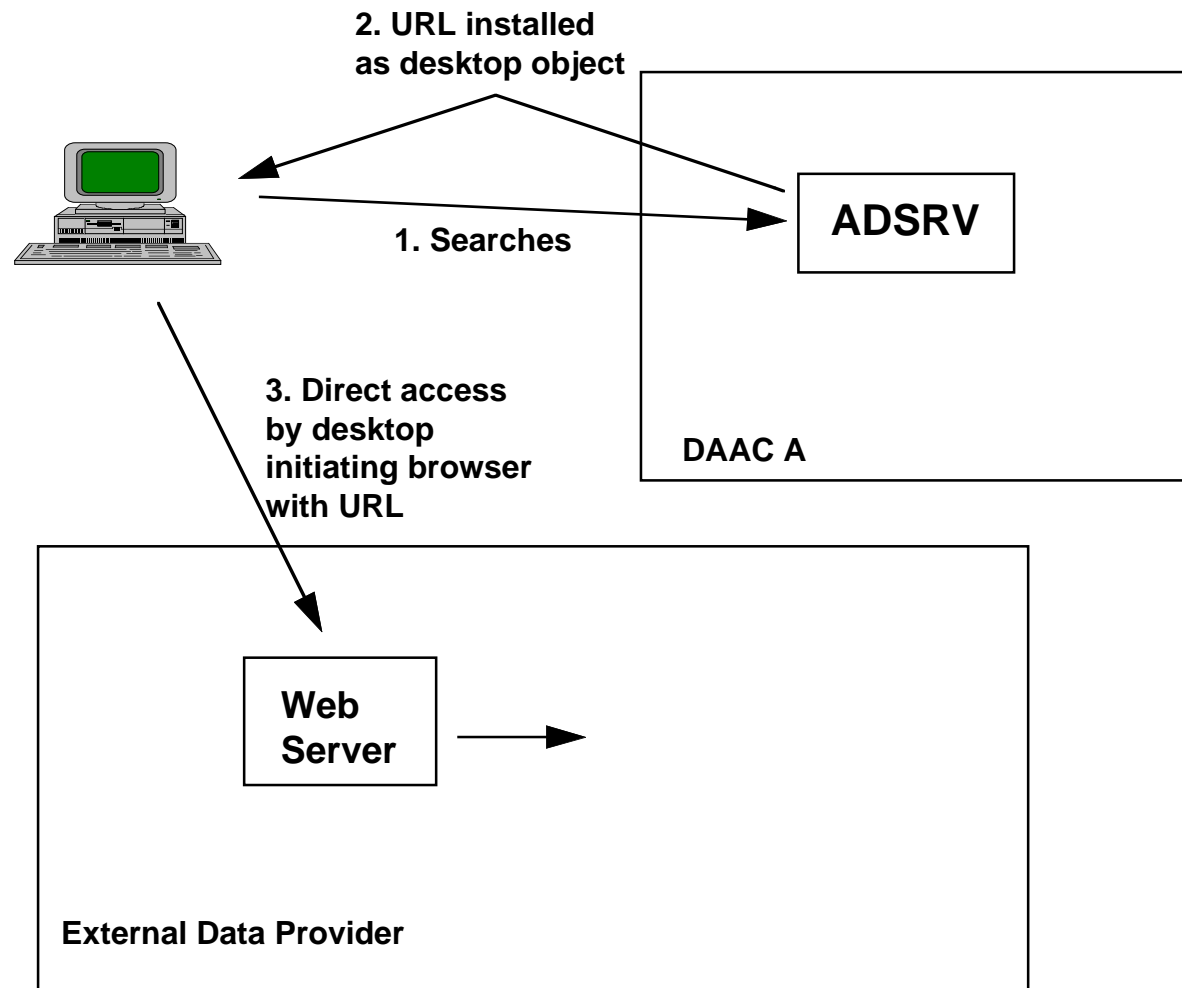


Internet Service

- Service provider specifies a Mime Type service advertisement
- Besides the name and description of the service, the only other requirement is the URL to the service.
- Could contain Java Applets or other advanced features. It will be up to service provider to determine user's browser capabilities, if they want to service low-end users.
- Installation means:
 - A desktop object is installed on the user's desktop.
 - The action associated with the object is to start the user's Web browser with the URL associated with the service.
- Invocation means:
 - The URL associated with the service is activated and loaded in the browser.
- The user is responsible for making sure that the browser that he/she is using is compatible with the capabilities of the site being accessed. In other words, if Java is required, the user should use Netscape to use the Java features.



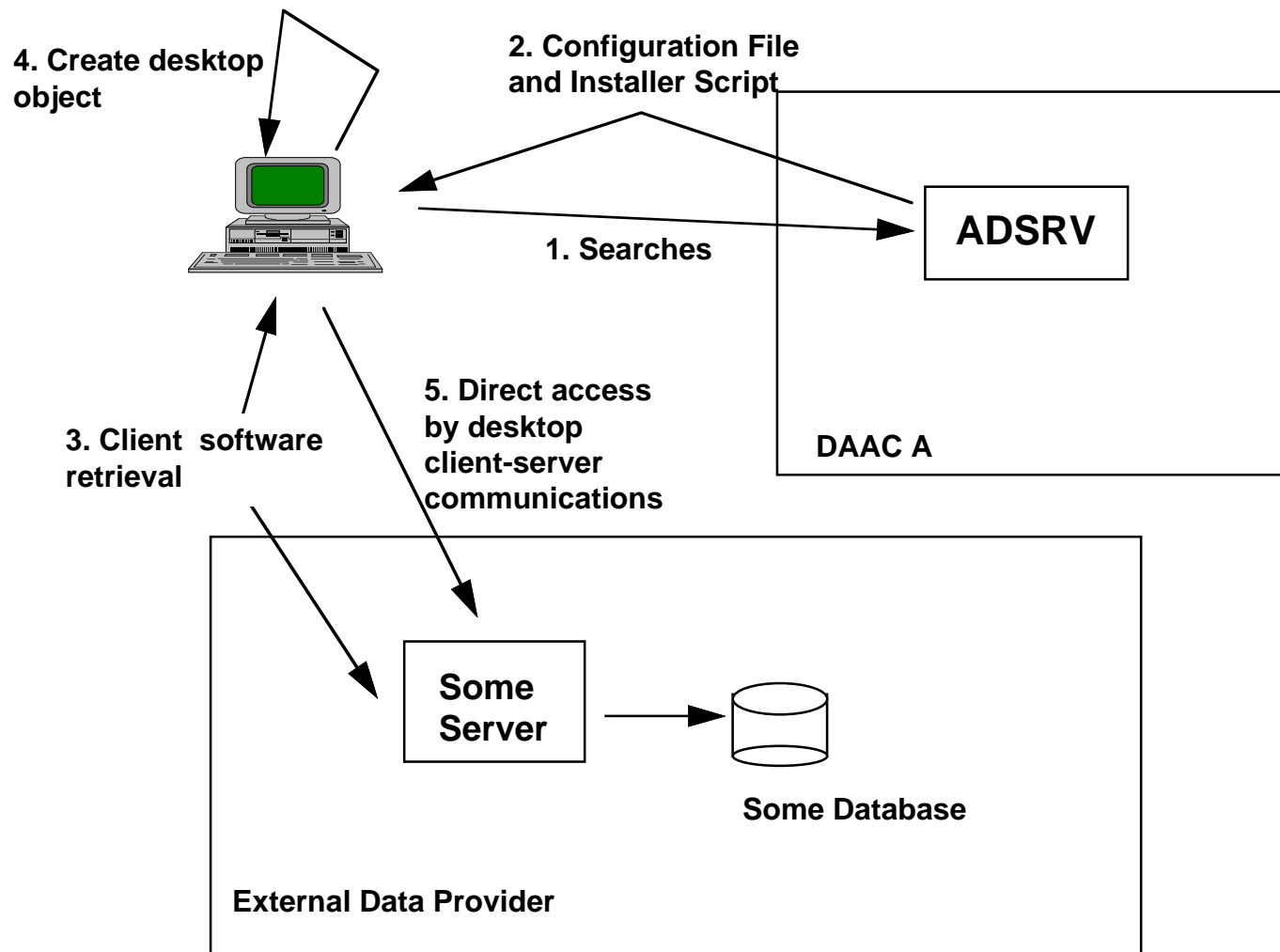
Internet Service Architecture



- 706-CD-003-001 Day 4 Book B



Data Provider Supplied Client Scenario





LDAS Service with ECS Client

Data Provider needs to install the LDAS software and define the schema.

- **Data Provider must get permission from a DAAC to write to the DDICT.**
- **Schema gets exported to DDICT using normal Data Server methods. It does not get integrated into any LIM/DIM.**
- **Data Provider submits signature type service advertisements for those services they will provide.**
- **Specify the required software as the ECS Earth Science Search Tool (ESST) with the proper configuration.**

Installer will create a desktop object with the ESST and the proper UR to the Data Provider site.

ESST will see the Data Provider as a direct connect to a Data Server.

- **Uses advertising service to determine the services available at that provider.**
- **Uses data dictionary to determine the attributes and valid values.**
- **All requests will go directly to Data Providers “data server”.**



Data Provider with LDAS

